CQube MF & LF

USER MANUAL

UM_EN

Part No.: 1730095_03

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Some important information may appear in textboxes seen below

IMPORTANT!
INFO.

CAUTION!
INFO.

More INFO.

Note INFO.

Introduction

Thank you for choosing a CQube MF & LF fresh-brew vending machine.
We hope you enjoy it !

- Read the user guide before using the machine.
- This guide contains important instructions for proper and safe use of the vending machine.
- Always keep this guide close at hand for future reference.

Warnings

- Never immerse the machine, plug or mains cable in water because there is a danger of electric shock.
- The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure they do not play with the appliance.
- Do not use the machine if the mains cable, plug is damaged or the machine has fallen down.
- If the mains cable is damaged it must be replaced by the manufacturer, service agent or similarly qualified persons in order to avoid a hazard.
- Only plug the machine into a properly installed earthed safety socket whose line voltage matches the technical data for the machine.

Precautions

- Do not use the machine outdoors so it can be exposed to weather (rain, snow, frost). It will cause material damage to the machine.
- Do not try to open the machine or repair it in any way. To avoid danger only have the machine repaired in a technical workshop, Service Centre or by a qualified person.
- Remove the mains cable from the socket when the machine is not in use for longer periods. To do this, pull the plug not the cable.
- This appliance must be placed in a horizontal position which is resistant to any water that may leak.
- Place the machine out of the reach of children.
- Position the mains cable so that people cannot trip over it. Keep it away from sharp edges and heat sources.
- The new hose-sets supplied with this appliance are to be used, old hose-sets must not be re-used.
- This appliance is not suitable for installation in an area where a water jet could be used.
- This appliance must not be cleaned by a water jet.

Intended use

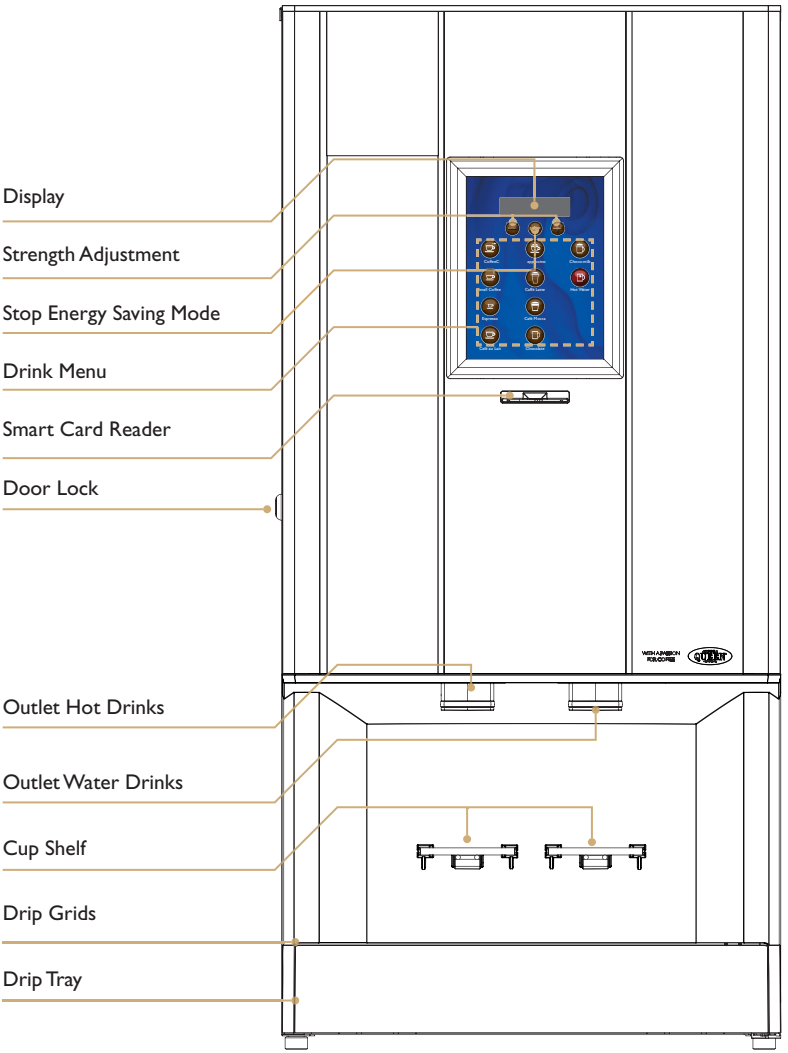
- This appliance is intended to be used in household and similar applications such as:
  - Staff kitchen areas in shops.
  - Offices and other commercial working environments.
  - On agricultural estates.
  - By clients in hotels, motels and other residential type environments.
  - Bed and breakfast type environments.
- For the optimal performance of the machine these parameters shall not be exceeded:
  - Maximum permissible inlet water pressure : 800KPa (8Bar)
  - Minimum permissible inlet water pressure: 200KPa (2Bar)
  - Maximum working temperature: 40 °C
  - Minimum working temperature: 10 °C

Facts & weight

FACTS	CQube MF13	CQube MF04	CQube LF13	CQube LF04
Touchscreen	Option	Option	Option	Option
Built-in grinder	Yes	None	Yes	None
Function for selecting jug	Yes	Yes	Yes	Yes
Drink options	10-12	10-12	10-12	10-12
Ingredient canister	3	4	3	4
Bean hopper	1	None	1	None
Brewing mechanism	Yes	Yes	Yes	Yes
Cleaning function by smart card	Yes	Yes	Yes	Yes
Electronic temperature control	Yes	Yes	Yes	Yes
Adjustable coffee strength	Yes	Yes	Yes	Yes
Illumination of cup during brewing	Yes	Yes	Yes	Yes
Base cabinet: large grounds container	Option	Option	Option	Option
Energy saving mode	Yes	Yes	Yes	Yes
Height, Width, Depth	882,427, 550mm		995, 420, 565mm	
Tank volume	5L	5L	5L	5L
Power supply	220-230VAC, 50/60Hz, 2200W			
Cold water connection	½" External thread			
Built-In Cold Water Unit	Option	Option	Option	Option
Co_2 Water Unit	Option	Option	Option	Option
Co_2 Water Capacity	20 L/Hour			
Co_2 Water Unit effect	170W			
Water purification filter	Option	Option	Option	Option

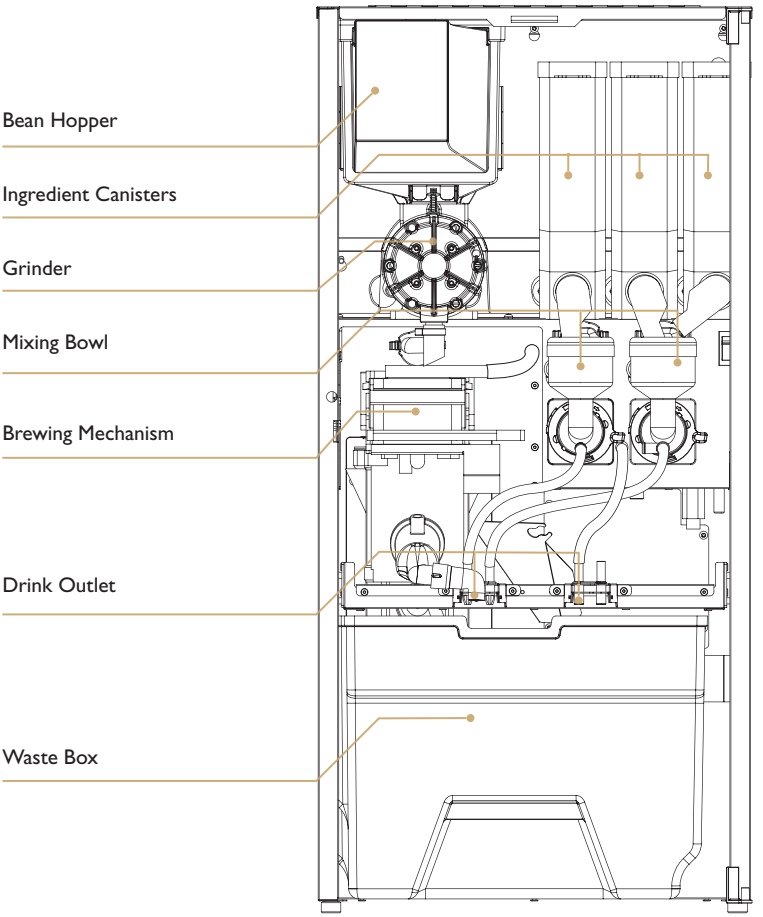
MODEL/NAME	WEIGHT
CQube MF13	48 kg
CQube MF04	42 kg
CQube LF13	51 kg
CQube LF04	45 kg
Base Cabinet	25 kg

Front of CQube MF13 & MF04



Accessories: Base cabinet

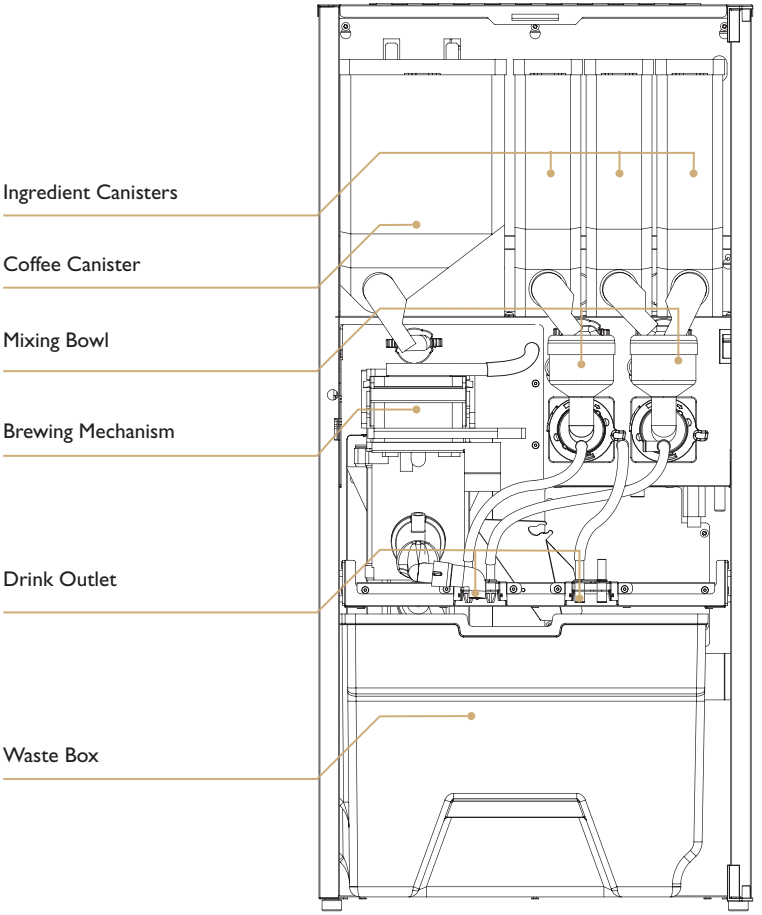
Interior CQube MF13



Ingredient canisters of CQube MF13

DETAIL	INGREDIENTS	WIDTH	DEPTH	HEIGHT	CAPACITY	CUPS/UNIT
Hopper	Beans	----	----	----	2.0kg	~180 Cups
Canister	Espresso	67mm	180mm	250mm	0.44kg	~200 Cups
Canister	Chocolate	67mm	180mm	250mm	1.52kg	~80 Cups
Canister	Topping	67mm	180mm	250mm	1.10kg	~120 Cups

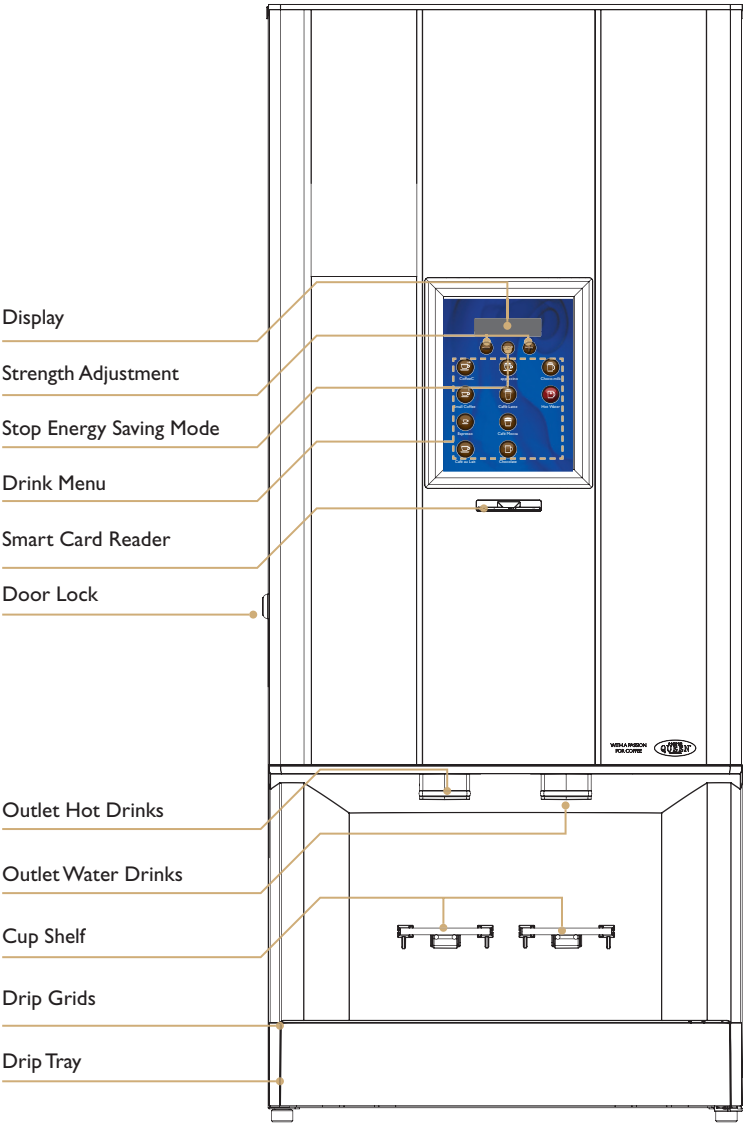
Interior CQube MF04



Ingredient canisters of CQube MF04

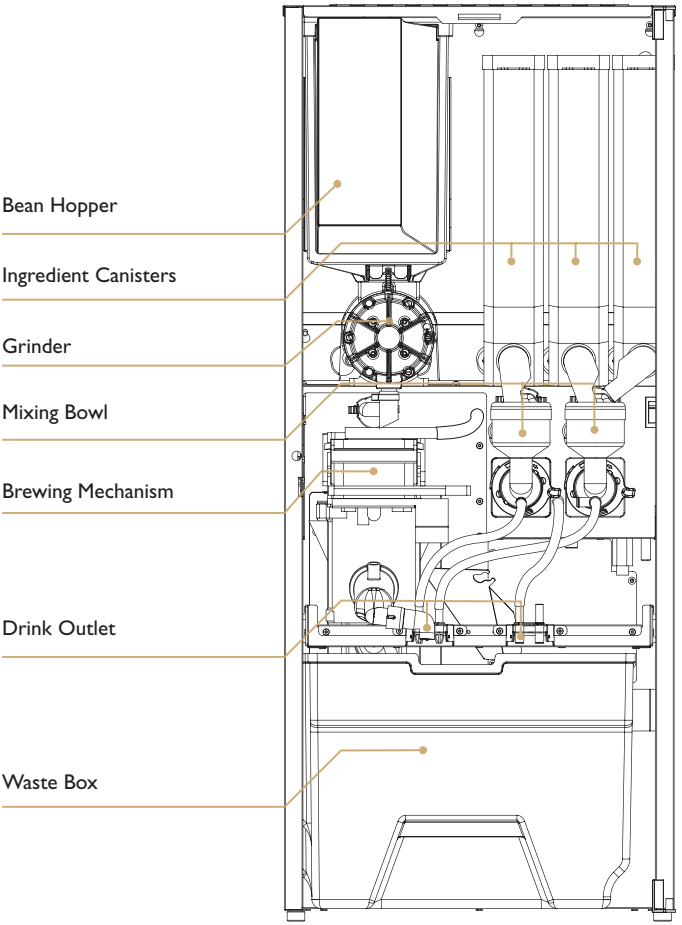
DETAIL	INGREDIENTS	WIDTH	DEPTH	HEIGHT	CAPACITY	CUPS/UNIT
Canister	Coffee	160mm	180mm	250mm	2.0kg	~180 Cups
Canister	Espresso	67mm	180mm	250mm	0.44kg	~200 Cups
Canister	Chocolate	67mm	180mm	250mm	1.52kg	~80 Cups
Canister	Topping	67mm	180mm	250mm	1.10kg	~120 Cups

Front of CQube LF13 & LF04



Accessories: Base cabinet

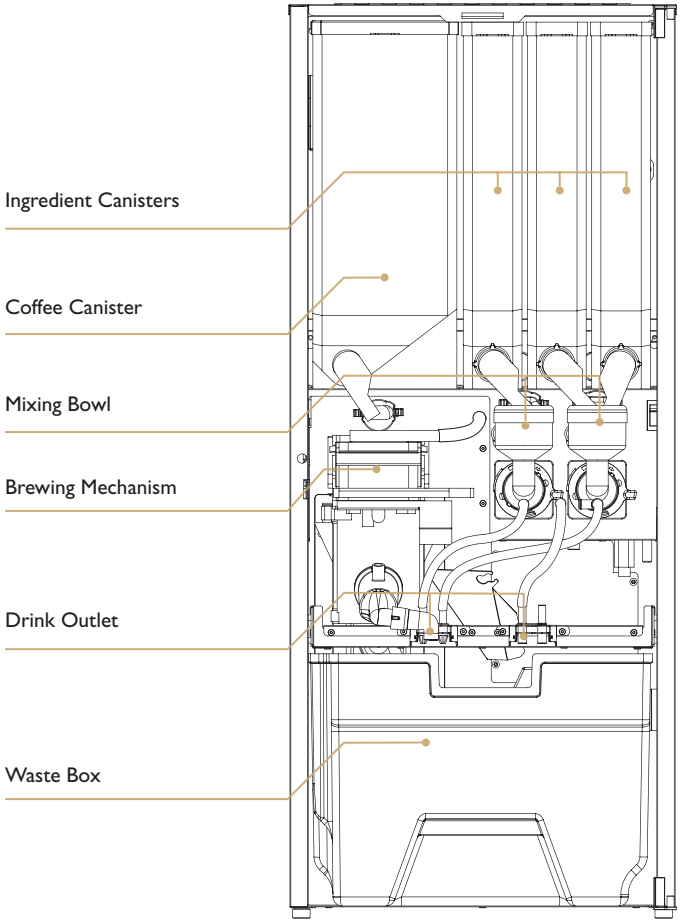
Interior of CQube LF13



Ingredient canisters of CQube LF13

DETAIL	INGREDIENTS	WIDTH	DEPTH	HEIGHT	CAPACITY	CUPS/UNIT
Hopper	Beans	----	----	----	4.0kg	~360 Cups
Canister	Espresso	67mm	180mm	400mm	0.66kg	~300 Cups
Canister	Chocolate	67mm	180mm	400mm	2.66kg	~120 Cups
Canister	Topping	67mm	180mm	400mm	1.95kg	~180 Cups

Interior of CQube LF04



Ingredient canisters of CQube LF04

DETAIL	INGREDIENTS	WIDTH	DEPTH	HEIGHT	CAPACITY	CUPS/UNIT
Canister	Coffee	160mm	180mm	400mm	3.50kg	~320 Cups
Canister	Espresso	67mm	180mm	400mm	0.66kg	~300 Cups
Canister	Chocolate	67mm	180mm	400mm	2.66kg	~120 Cups
Canister	Topping	67mm	180mm	400mm	1.95kg	~180 Cups

Membrane switch navigation

Button functions

Press the BACK button if you want to leave the submenu and go back in the menu.

Press the ENTER button to select a menu function, confirm a set value or a setting.

Press the MINUS button if you want to decrease a value or go back in the menu.

Press the STOP button if you want to return to the start menu.

To activate energy saving mode press and hold the STOP button for 5 seconds. Display will show Energy Saving Mode.

You can abort jug process by pressing STOP.

To return to normal mode press and hold the STOP button for 5 seconds while the machine is in energy saving mode.

Press the PLUS button if you want to increase a value or go forward in the menu.

ENERGY SAVING MODE	The machine decreases the temperature in the water tank to 65°C.

Touchscreen navigation

Button functions

Choose drink type by pressing the icon on the touchscreen, when an icon is selected a field in the bottom of the screen appears. Press START to pruduce your selected drink.

Press the BACK button if you want to leave the submenu and go back in the menu.

Press the ENTER button to confirm a set value or a setting. Confirm the new setting by pressing the E-button.

Press START button to confirm drink choice.

Press the STOP button if you want to return to the start menu.

Press the MINUS button for choosing Strength / Volume of the drink.

Press the PLUS button for choosing Strength / Volume of the drink.

To activate energy saving mode press the power icon on the display.

ENERGY SAVING MODE	The machine decreases the temperature in the water tank to 65°C.

User card

Face

Back

- User Card
  Is used for entering jug mode and see counter settings.User card is supplied by your dealer.

- Insert the user card with the chip upwards as figure.

For CQube with membrane switch

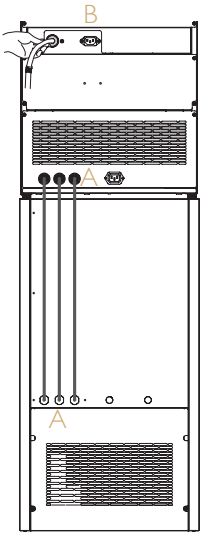
The display will show the Service Menu, Jug Beverage and you can now browse forwards through the menu.

For CQube with touchscreen

The display will show the Service Menu, you can now browse forward by touching these icons.

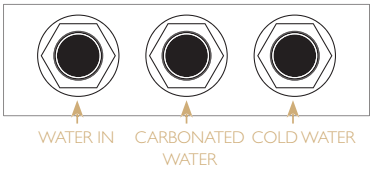
- To use the machine again remove the user smart card and store it in a safe place.

Start-up procedure for CQube ML & MF



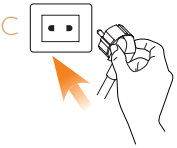
Note	If the machine doesn't have any cold water cabinet only follow the steps in the colored section below.

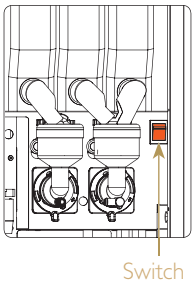
- Connect the 8mm hoses 3 units. (A) parallel between the top and base cabinets, from left to right.



Note	Do not connect the electrical cable from the cold water unit until the machine has heated up.

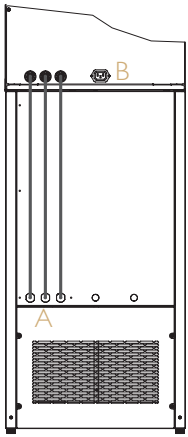
- Connect the carbon dioxide tube to the gas canister and open the tap, check that the factory set pressure is c. 3.5bar. May be adjusted +0.5 -1.0 bar. Put the gas canister in place inside the base cabinet.

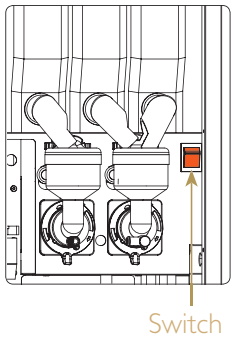




- Connect the mains cable to the machine (B) and insert the plug to a earthed wall socket (C).
- Connect the water to the top cabinet on the machine.
- Connect the supplied water hose to the cold water connection using a ½" R-connection. When pushing the machine into position make sure there is no interference to the hose to ensure proper water flow.
- If the inlet hose is new, flush the system with water first to remove copper shavings. These can damage the inlet valve.
- The new tube set supplied with the appliance must be used. Old tubes may not be re-used. Connection to a closable valve is recommended.
- Min. water pressure; 2 bar (200kPa).
- Max. water pressure: 8 bar (800kPa).
- Open the water tap.
- Open the door and turn on the power switch. See figure.
- Close the door
- The display indicates **Low Water Level Press Enter Key** Press the / ENTER button.
- The water tank will now automatically fill with 5 litres of water. The element will not be powered until the water reaches the level sensor.
- Set temperature is 96° Celsius.
- Once the water heating is complete "Low temp" text will disappear from the display. (The display text will start to rotate between these two screens **FRESHBREWED FILTER COFFEE** and **SELECT PRODUCT**)

- Shut off the machine, continue on next page.



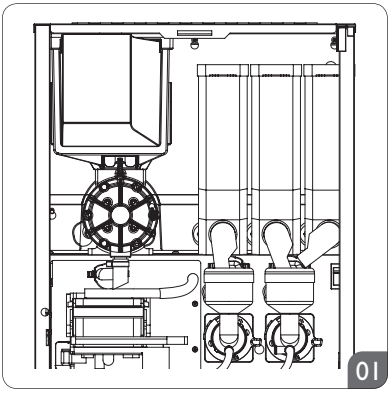


- Now connect the electricity cable which comes from the base cabinet into the electric socket at the machine (B).
- Switch on the machine again and wait until the text in the display starts to rotate.

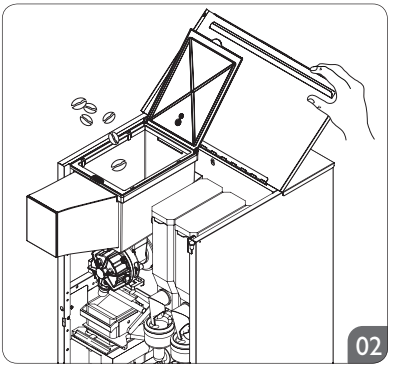
Note	The fresh-brew machine must be warm before any cold water can be dispensed.

- Take a glass and press the button for cold water until water is dispensed in a even flow and the pressure pump that is buzzing gives a different calmer sound (cold water compressor is relatively quite so it should not usually be heard very much)
- Now press the button for carbonated water so the water can mix with the carbon dioxide, keep the button pressed until you have a even flow of water.
- When you release the button the pump will fill up the cooling unit and then turn off. The machine is now ready for use.

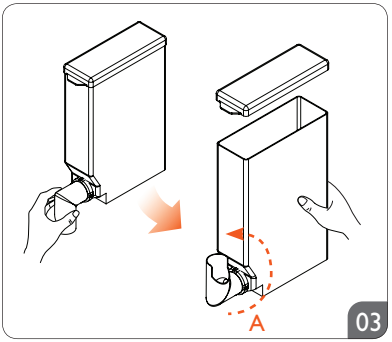
Fill ingredient canister and bean hopper

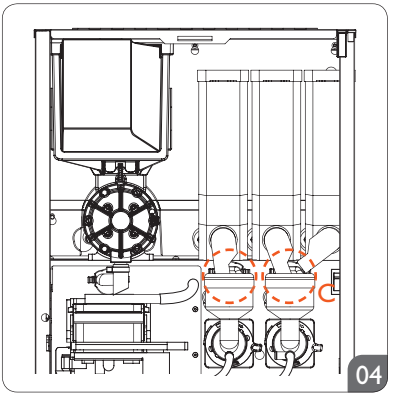


▼ Lift the lid and fill the bean hopper with freshly roasted coffee beans without additives.

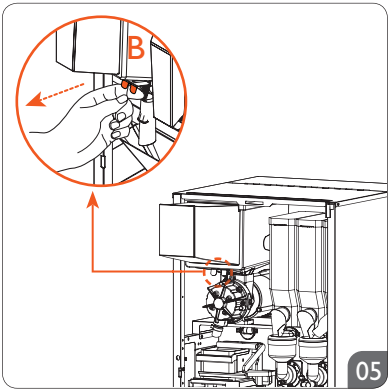


◀ Remove the ingredient canisters to avoid spilling in the machine and fill with ingredients.
When filling the ingredients, keep the opening of the canister chute upwards (A).



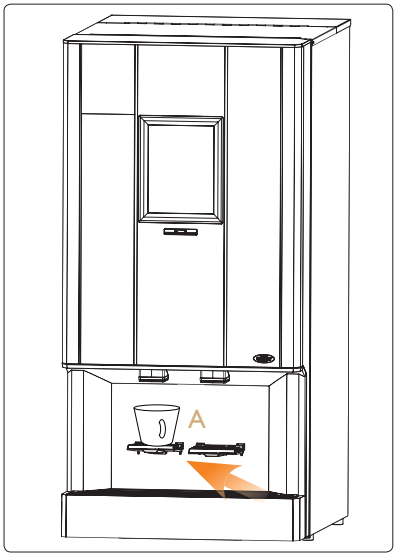


▲ Reassembly canisters.
When placing the ingredient canisters, Ensure that the openings of the canister chutes point down toward the mixing bowl (C).



▲ Open the bean stop (B) on the bean hopper.
The machine is ready to use.

Brewing a cup of coffee (CQube with membrane switch)



- Place a cup under the outlet for hot drinks.(A)
- The strength of the drink is set to default. If you would like to increase or decrease the strength then follow the steps in the section below.

  Stronger drink, Press the button

  or

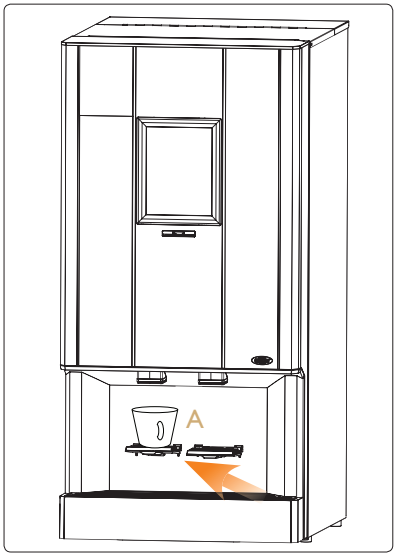
  Weaker drink, Press the button

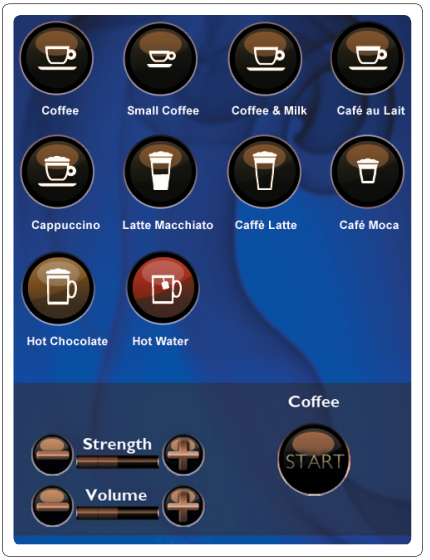
- Select coffee by pressing the coffee button

  The display shows: **Please wait...** and the cup light goes on.

- Wait until the cup light switches off and the text **Please wait...** has disappeared from the display before removing the cup.

Brewing a cup of coffee (CQube with touchscreen)





- Place a cup under the outlet for hot drinks. (A)
- Choose drink by pressing the drink button on the display.
- The strength of the drink is set to default. If you would like to increase or decrease the strength then follow the steps in the section below.

  Stronger drink, Press the button

  or

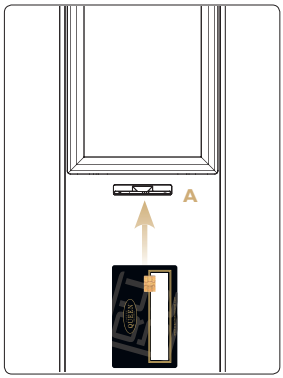
  Weaker drink, Press the button

- Confirm drink by pressing the button

  The display shows: and the cup light goes on.

- Wait until the cup light switches off and the text has disappeared from the display before removing the cup.

Brewing coffee in a jug (CQube with membrane switch)

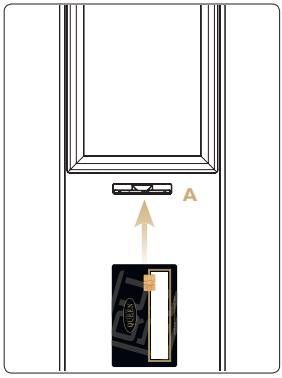


- Lift up the cup shelf and put a jug under the outlet for hot drinks.
- Insert user card in the card reader(A)
- The display shows **Service Menu** / **Jug Beverage**
- Press the button.
- Change the number of cups you want to brew in your jug (6 cup brewing is the default setting.) with or button.

  Brewing is possible for up to 12 cups or down to 1 cup.
- Press the button for coffee.
- Wait until the cup light switches off and the message **Please wait...** has disappeared from the display before removing the jug.
- You can abort the jug process by pressing STOP button any time during the process, it will finish the drink in process before complete stop.
- Remove user card.

Note	If no selection is made, remove the user card to abort. Machine jups back to normal mode.

Brewing coffee in a jug (CQube with touchscreen)



- Lift up the cup shelf and put a jug under the outlet for hot drinks.
- Insert user card in the card reader(A).
- The display shows as in the figure above.
- Press
- Change the number of cups you want to brew in your jug With or button. (6 Cup brewing is the default setting. Brewing is possible for up to 12 cups or down to 1 cup.)
- Remove user card, drinks that are avalible for brewing jug now appears.
- Choose drink by pressing drink button you want.
- Press the

button to start dispensing coffee.
- Wait until the cup light switches off and the message

has disappeared from the display before removing the jug.

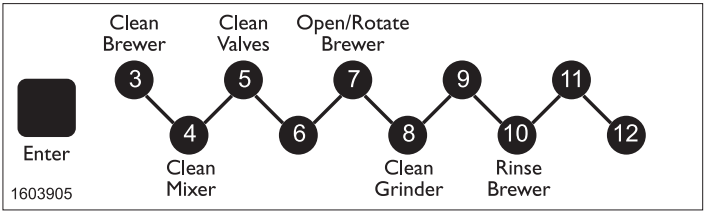
Note	If no selection is made, remove the user card. To stop press the STOP button.

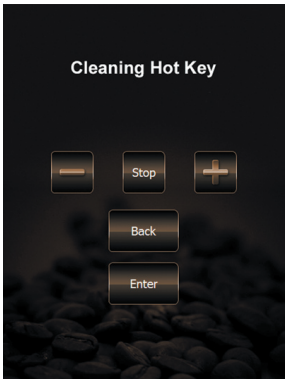
Automatic Cleaning

Automatic rinsing of the mixing bowl

Cleaning means rinsing with water and rotating the whipper.

Cleaning of the mixing bowl should be performed once per day.





For touchscreen C

D

For membrane switch

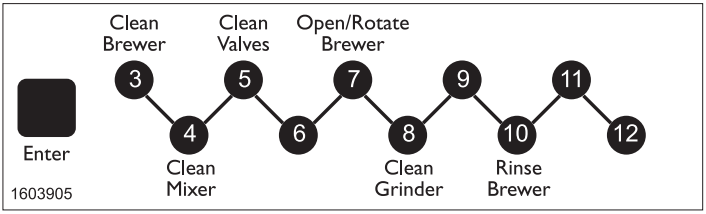
- Open the door.
- Press ENTER on the cleaning panel inside the door. (See fig. A)
- Cleaning Hot key appears on the display (cleaning panel is now active).
  the display shows: see fig. C or D.
- Put a container that holds at least 0.5 litres under the outlet for hot drinks.
- Press button (4) on the cleaning panel. (See fig. B)
- The machine will now clean the mixing bowl for 5 seconds.
- Close the door to exit cleaning mode and return to normal mode.

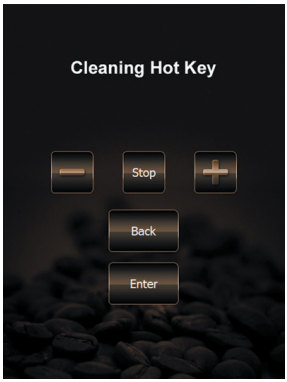
Note	Repeat the cleaning procedures 2-3 times to get a better cleaning effect.

Automatic Cleaning

Automatic cleaning of dispenser valves

Cleaning entails that the valves "knock" off any lime scale and other particles that may get stuck in the cylinders and flushing them with water.





For touchscreen C

D

For membrane switch

- Open the door.
- Press ENTER on the cleaning panel inside the door. (See fig. A)
- Cleaning Hot key appears on the display (Cleaning panel is now active).
  the display shows: see fig. C or D.
- Put a container that holds at least 0.5 litres under the outlet for hot drinks.
- Press button (5) on the cleaning panel. (See fig. B)
- The machine will now clean the dispenser valves for 5 seconds.
- Close the door to exit cleaning mode and return to normal mode.

Note	Repeat the cleaning procedures 2-3 times to get a better cleaning effect.

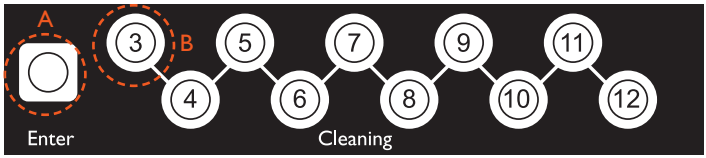
Automatic Cleaning

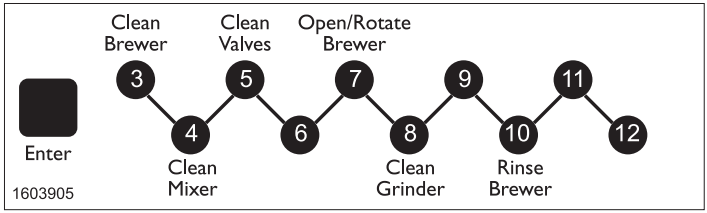
Automatic cleaning of brewing mechanism

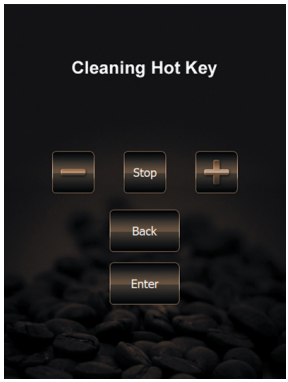
Cleaning the brewing mechanism should be performed once a week.

Total cleaning time about 10 minutes. Filter cleaning agent is avalible from your dealer:
Product no. 1104161

IMPORTANT!
After cleaning of the brew mechanism is completed, dispense a cup of coffee and discard it to remove cleaning agent remains in the filter and brew chamber.







For touchscreen C

Cleaning hot key D

For membrane switch

- Open the door.
- Press ENTER on the cleaning panel inside the door. (See the figure A)
- Cleaning Hot key appears on the display (cleaning panel is now active).
- the display shows: see the figure C or D.
- Put a container that holds at least 1.8 litres under the outlet for hot drinks.
- Press button (3) on the cleaning panel. (See the figure B)

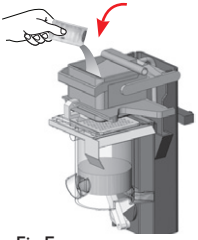


Fig.E

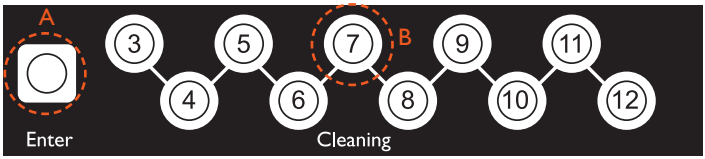
- Display indicates: Place jug, Press ENTER to start
- Put 25gr (one portion) of cleaning agent (See fig.E) in brewing mechanism.
- Press ENTER on the cleaning panel to start the cleaning process.
- Display indicates: Preparing Brewer, Please Wait.
- Display indicates: Cleaning Brewer, Time Left 300s. The machine counts down from 300 seconds.
- Display indicates: Rinsing Brewer, Cycles left 7.
- Display indicates: Cleaning hot key when the cleaning is complete.
- Close the door to exit cleaning mode and return to normal mode.

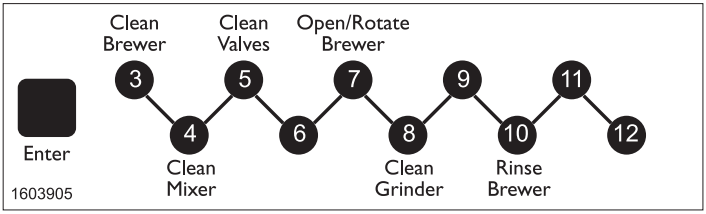
Note	When the cleaning agent has been added, the process must not be interrupted but be allowed to run its course.

Automatic Cleaning

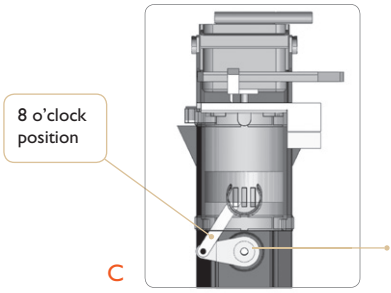
Open brewer function

A tool to disassemble the coffee filter is included with the machine.





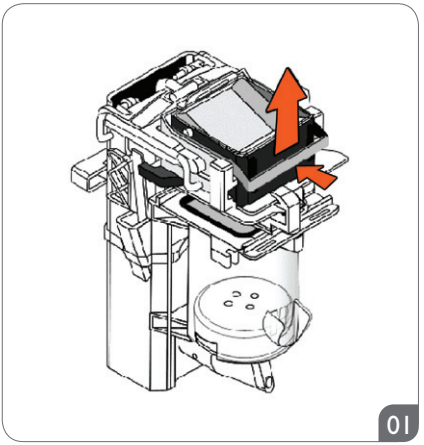
- Open the door.
- Press ENTER on the cleaning panel inside the door. (See fig. A)
- Cleaning Hot key appears on the display (cleaning panel is now active).
- Put a container that holds at least 0.5 litres under the outlet for hot drinks.
- Press button (7) on the cleaning panel. (See fig. B)
- The brewing mechanism rotates into position. (See fig. C)
- To close brewer press ENTER key on the cleaning panel, the brewer now rotates to home position.
- Close the door to exit cleaning mode and return to normal mode.



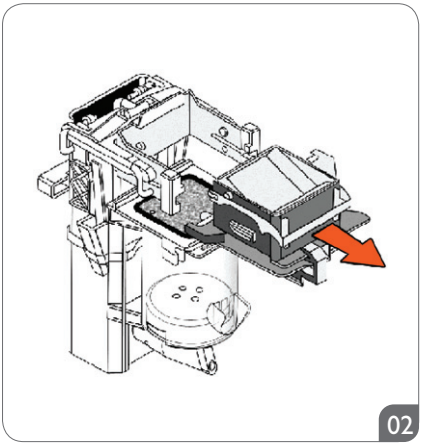
Can be used to rotate the brewing mechanism into the correct position.

Note	"The winder" should be in the 8 o'clock position, If not, remove again and repeat the process.

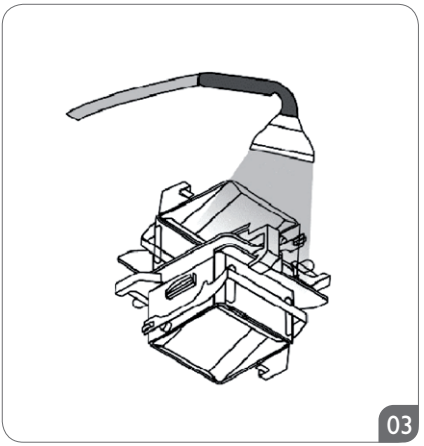
Disassemble the brewing chamber



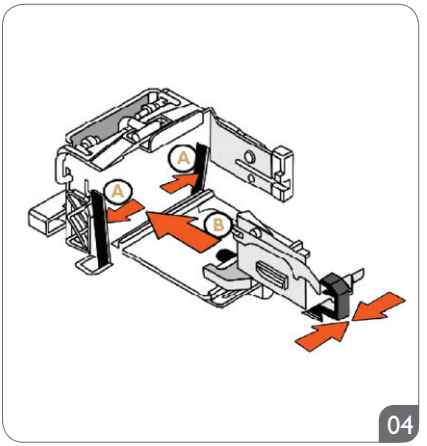
▲ **Disassemble the brewing chamber.** Press and lift up the handle on the brewing chamber.



▲ Once you have lifted the handle, pull the brewing chamber straight out.



▲ **Note:** Rinse the brewing chamber under running water to remove cleaning agent and coffee remains.



▲ **Reassemble the brewing chamber.**
Note: When the brewing chamber is reassembled, ensure that the rubber scraper (B) ends up between the rocker arms (A).

Disassemble and cleaning of coffee filter

- Loosen the outlet and insert the tool (A), through one of the holes in the front of the brewing mechanism all the way to the rear part of the cylinder wall (Figure 1), move the tool towards the rear section of the filter insert until the insert is ejected (Figure 2).

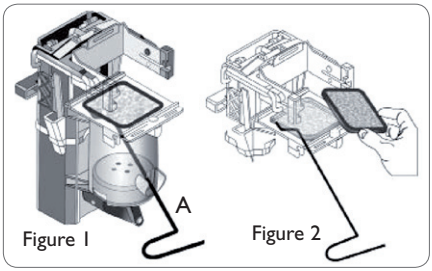
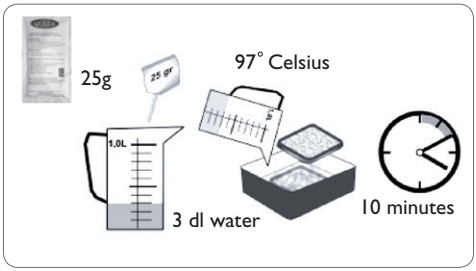


Figure 1

Figure 2



- Clean the filter insert with 25g cleaning agent dissolved in 3 dl water for max 10 minutes.
- Refit the filter. Close the door.
- Press the E / ENTER button and the brewing mechanism will return to default position.
- Remove user card.

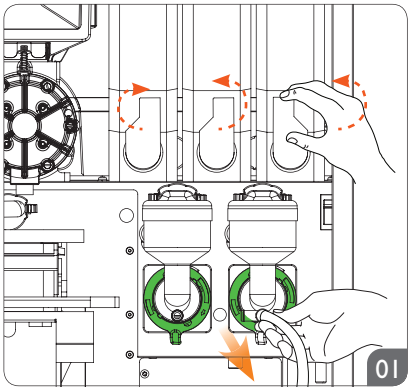
Note	Dispense a cup of coffee and discard it to remove cleaning agent remains in the filter. After having been in contact with the cleaning agent, the filter must be washed with detergent and be carefully rinsed under running water.

Is available from your dealer

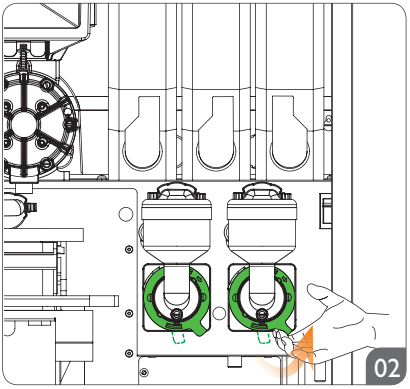
Cleaning agent: for brewing mechanism	Product No. 1104161
Filter: for brewing mechanism	Product No. 47200213
Tool: for disassembly of filter	Product No. 4720090

Weekly cleaning

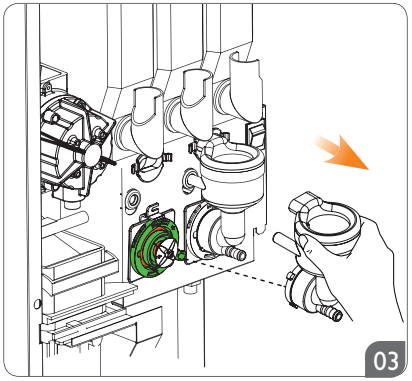
Disassemble mixing system



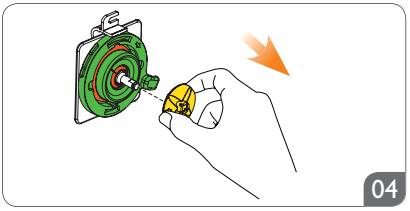
◀ Rotate the canister chutes so they point upwards and pull out the outlet hose.



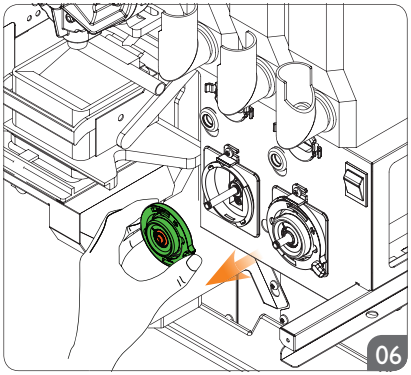
▲ Turn the mounting plate lever anticlockwise.



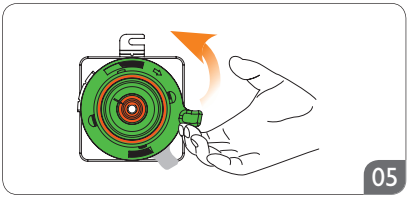
▲ Loosen the mixing bowl by pulling it straight out.



▲ Loosen the whipper by pulling it straight out.



▲ Pull the mounting plate straight out.

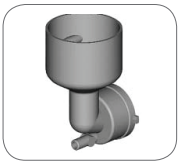


▲ Loosen the mounting plate. Turn the lever anticlockwise, until it stops.

Reassembling mixing system
See the next page

Weekly Cleaning

Wash these parts


Mixing Bowl

Condensation Trap

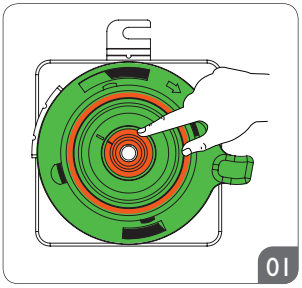
Mounting Plate

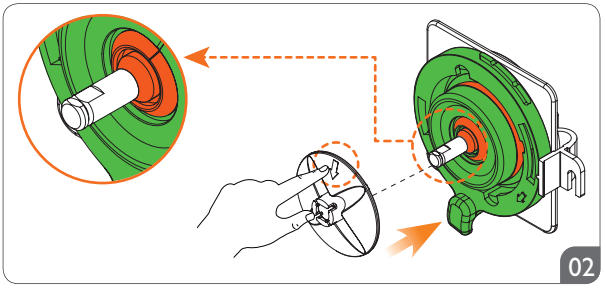
Whipper

Clean with a moist cloth and wipe dry.

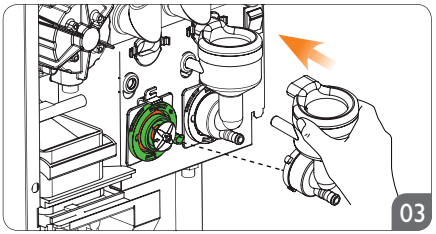
★ **All parts must be dry before reassembly.**

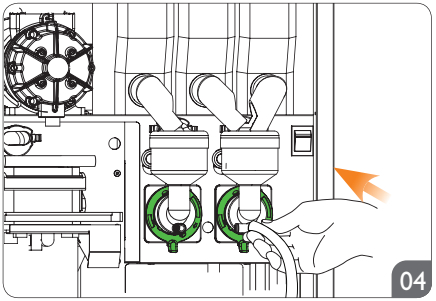
Reassemble mixing system





▲ Check all seals (red) before reassembly of parts.





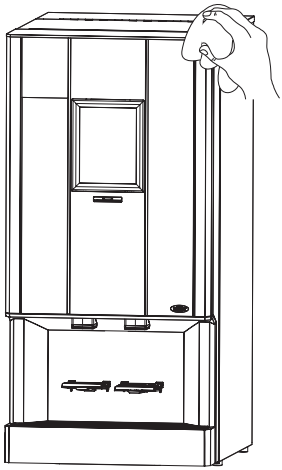
▲ The flat side of the whipper shaft must correspond with the marked arrow on the whipper.
To fit the whipper push onto the shaft until a click sound can be heard. It is only possible to assemble the whipper in one way.

◀ Fix the mixing bowl and condensation trap. Push-fit the mixing bowl and fix with lever.

◀ Connect the outlet hose.

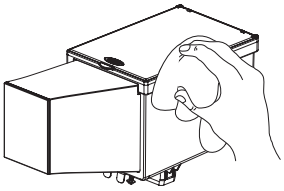
Note	Ensure that all water hoses have been connected and fitted.

Exterior cleaning



Exterior cleaning when necessary

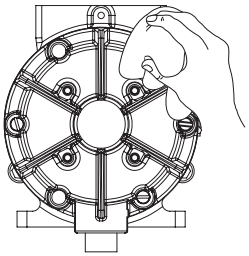
- To clean the exterior of the machine, use a soft cloth and liquid cleaning agent that is non-abrasive.
- If using a machine equipped with touchscreen do not spray cleaning liquid directly on the display. Use only LCD screen cleaner designed for touchscreen cleaning.



Clean the bean hopper

- Close the bean stop.
- Lift the bean hopper up to remove it. Use a soft cloth and liquid cleaning agent that is non-abrasive.

Note	Ensure that the bean hopper is completely dry before refitting.

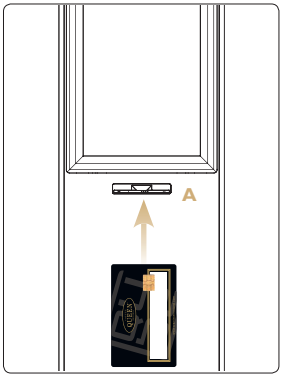


Clean the grinder

- Cleaning of the grinder shall be performed once per month in conjunction with technical maintenance.

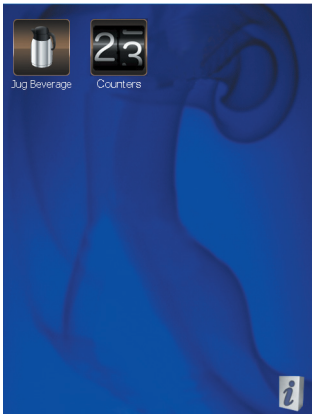
Message On Display	Indication
Energy Saving Mode	The machine is in energy saving mode.
Not Available	Drink can not be selected as jug.
Heating Water Please Wait...	Low temperature in the water tank, the machine is heating up (blocked).
Low Water Level Press Enter Key	Low water level in water tank. Press enter key to start filling up the water tank.
Filling Water Please Wait...	The machine is filling water.
Warning Low Temperature	Temperature is low, It is still possible to dispense drink.
Low temperature Blocked	Temperature is low, the machine is blocked.
Empty Drip Tray	The drip tray is full of water.
Low Water Level Blocked	The water level in the water tank is low, it is not possible to dispense drink.
Check Water Supply	The water has not reached the correct level in the water tank, check the water inlet hose, restart the machine.
Empty Waste Box	The waste box is full, open the door and empty out the grounds. When closing the door, press E to reset the counter. Selectable in main program.
Change Brewer Filter	The brewing filter is clogged. The filter needs replacing or to be cleaned.
Place Cup	If the cup sensor has been activated, this is shown if no cup has been placed on the drip tray.
Bev. Disabled	The drink has been disabled.
Door Open	The door is open.
Change Water Filter	The water filter needs replacing, press the button E to reset the counter.

Activate programming with the user card



- Insert user card in the card reader (A)
- The display will look like this for membrane switch:

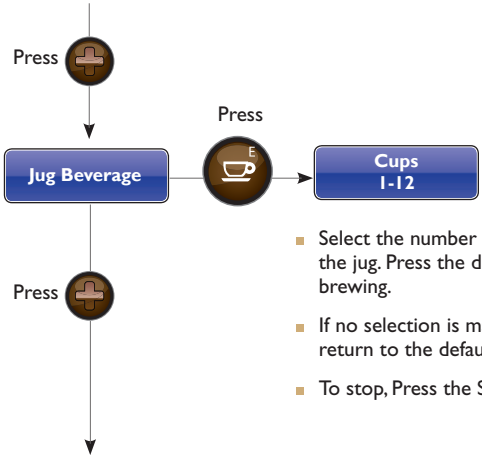
- The display will look like this for touchscreen:



Jug beverage

How to dispense a jug of a drink.

Service Menu
Jug Beverage



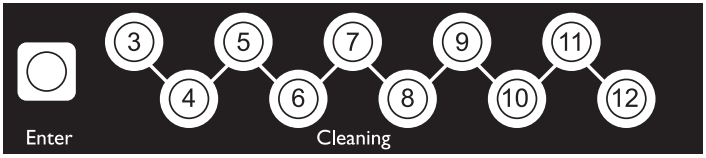
- Select the number of cups to be brewed in the jug. Press the desired drink to start the brewing.
- If no selection is made, remove user card to return to the default setting.
- To stop, Press the STOP button.

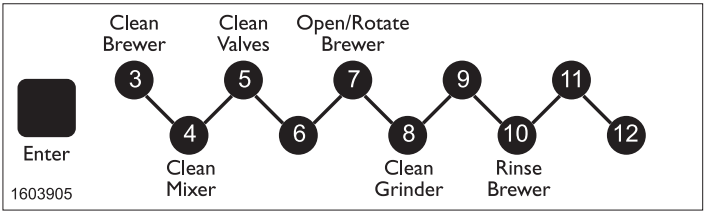
Clean machine

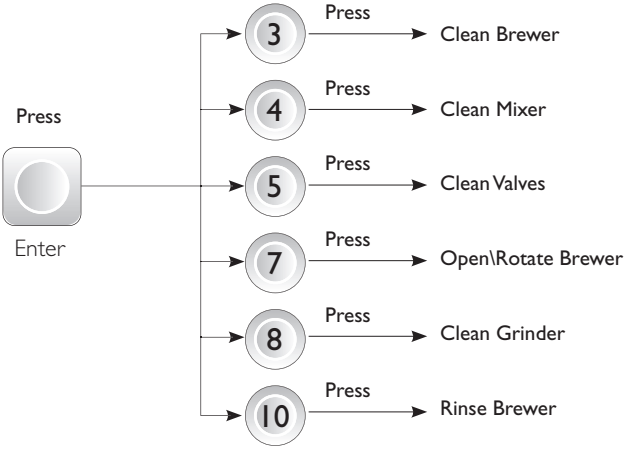
Open the door. Press ENTER on the cleaning panel inside the door. Choose button X for each cleaning.

Cleaning hot key

See the pages for cleaning programs in order to perform cleaning.



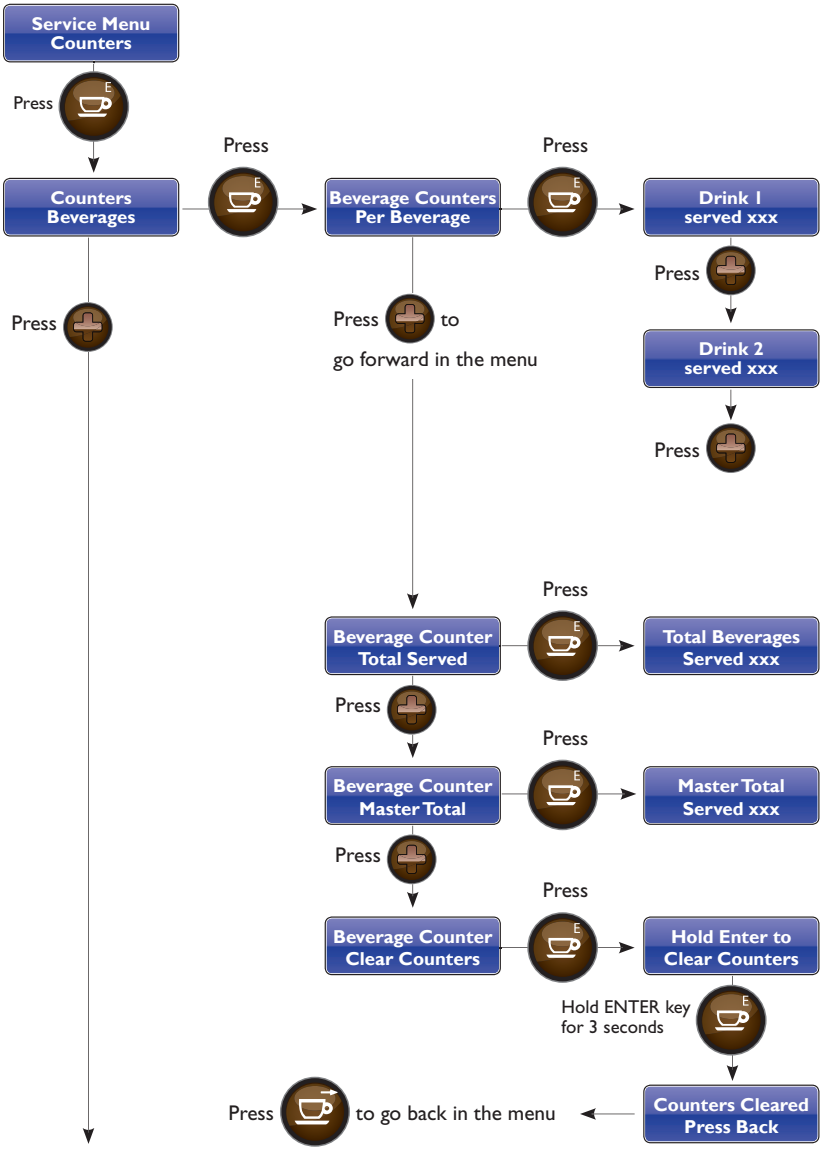




Counters

See the counter of each drink or total counters for all drinks. It's also possible to reset the drink counters.

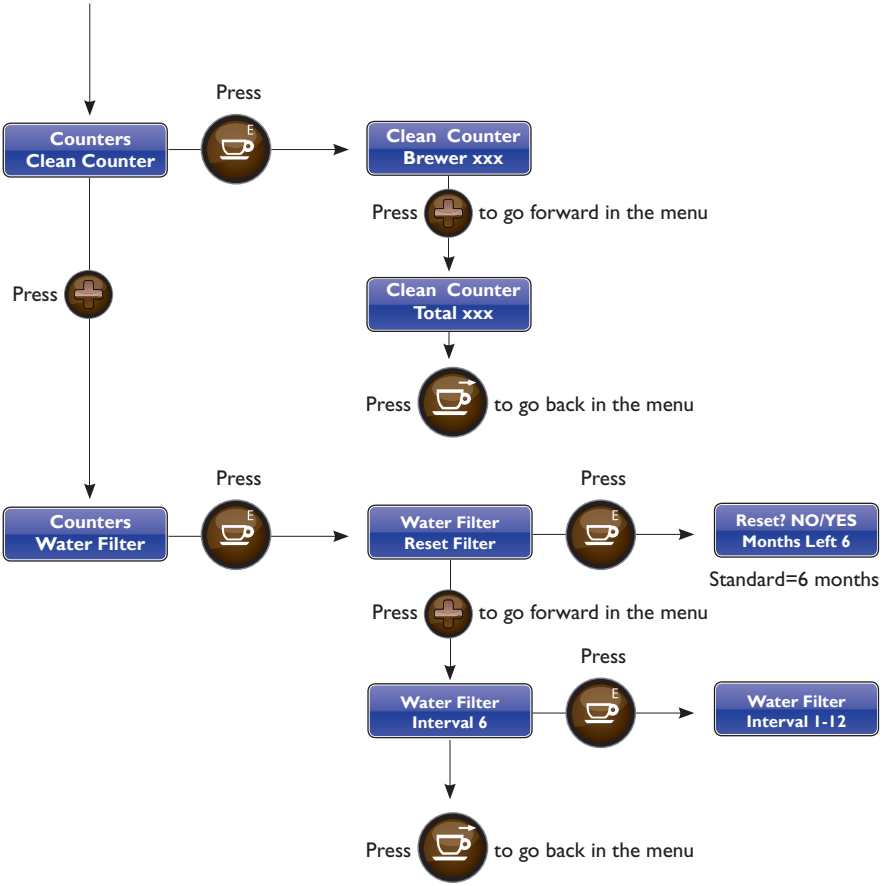
Service Menu Counters



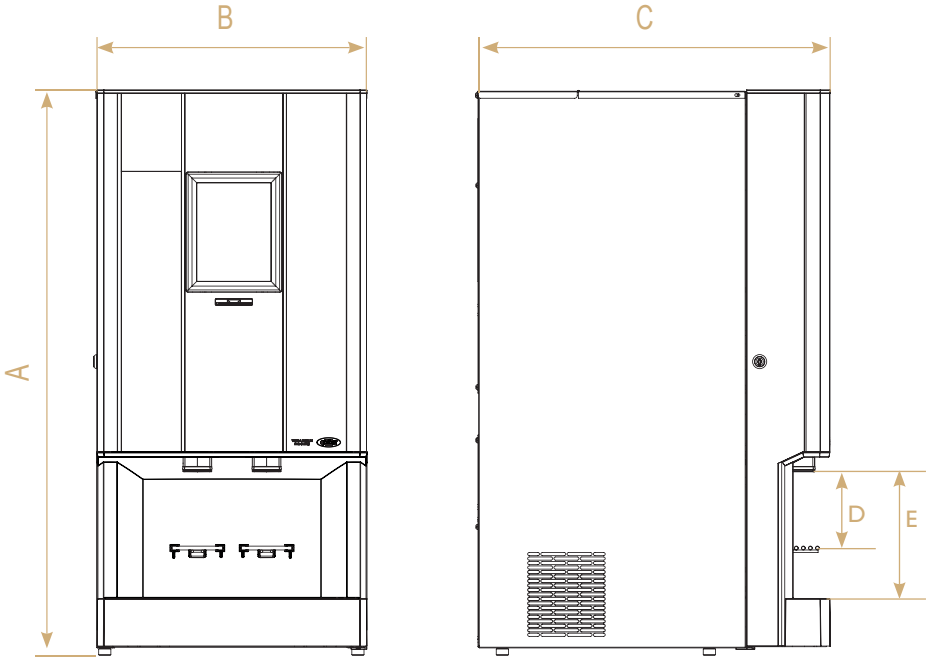
Counters

See the number of times cleaning has been performed or reset the clean counter.

Service Menu
Counters

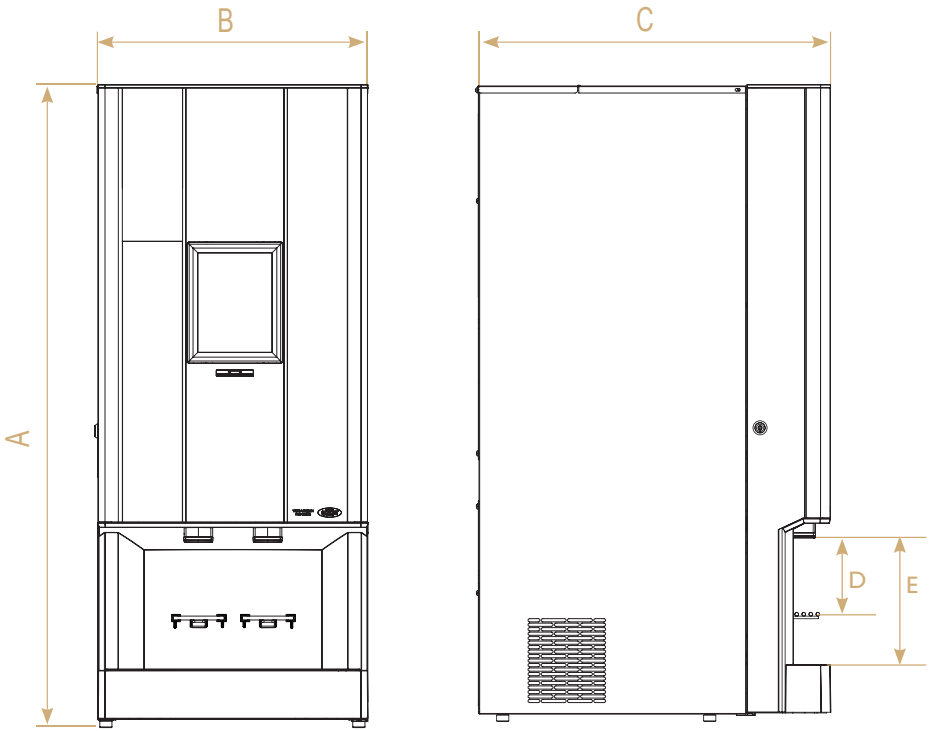


CQube MF13 & MF04



Model	A	B	C	D	E
CQube MF13	882mm	427mm	550mm	110mm	155mm
CQube MF04	882mm	427mm	550mm	110mm	155mm

CQube LF13 & LF04



Model	A	B	C	D	E
CQube LF13	995mm	420mm	565mm	110mm	155mm
CQube LF04	995mm	420mm	565mm	110mm	155mm

For the warranty to be valid the conditions for maintenance must have been followed according to our instructions, proper precaution has been made and warranty claim been issued without delay.

The affected equipment may not be used during awaiting service if there is any risk that the damage or defect would worsen.

The warranty will not cover consumption supplies such as glassware, normal maintenance such as cleaning of filters, contaminations in water, lime, incorrect voltages, pressure or adjustment of water amounts.

The warranty will not cover damages of defects caused by incorrect handling and operation of the appliance.

FOR SERVICE

Please contact your dealer

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